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WEEKLY BULLETIN



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DETROIT, MICHIGAN, SEPTEMBER 6, 1933

No. 33

THE FACTFINDER TALKS ON GLASS

Born in fire, man builds with it, carries liquid in it, studies disease and the moon with it, and can NOW hide behind it. On July 24, The Factfinder's six minute adventure in knowledge brought us face to face with it. His subject was "Glass."

In February and March of this year, a train made out of glass toured the British Isles. Yes sir—a glass train—and about the only part of the train that wasn't made of glass, was the roof—and there's little reason why that couldn't have been glass if they'd wanted it to be. Nearly two hundred different kinds of glass went into the making of that English train—fluted glass pilasters, walls of polished pink plate glass, glass tilework, glass bricks, armor glass, glass to diffuse light, glass to let in the health-giving rays of sunlight. A hundred and twenty thousand miniature mirrors helped to make up the outside walls of the cars. Even the locomotive was equipped with glass insulation, and its levers had glass handles. One section of the train was devoted to a demonstration of the wonders of armor-plate glass, showing how it could take a fifteen-degree bending, without breaking how it could support two hundred and twenty four pounds of weight, and how it could stand drops of cold water when heated to two hundred and fifty degrees Centigrade, without cracking. As you can imagine, the purpose of the Glass Train was to exploit a thoroughly worthy glass industry. That was in England.

In the United States there was a glass event of importance recently, too. It's a six-story building built on Manhattan's Fifth Avenue. Eighty percent of its outside wall face is made up of thirty eight hundred blocks of glass; and it's the first instance of a multiple-story building boasting of glass construction. There were twenty-seven kinds of glass put into practical use in the construction, too, including glass moulding, glass wool for insulation, glass radiators, glass illuminating panels, silvered glass tile—everything right down to glass screws and bolts!

Glass has come a longway. It was probably born in a prehistoric fire when some primitive ancestor of ours observed a fusion of seashore sand and sodium salt in the cooling embers. Funny thing, that—when you come to realize it; the ingredients of glass are opaque—you can't see through them. Which brings up an interesting point. The beautiful art objects of past ages which we admire in art museums, were a whole lot easier to make than the transparent glass in the cheapest window! Not until the Fourth or Fifth

Century did man first conceive the idea of glass as something to look THROUGH and not AT.

The fact that our early ancestors in America used isinglass in their windows, and oiled paper, is well known. But did you know that the first settlers in Virginia brought with them from the old country, eight Poles and two Germans for the express purpose of making glass here. They couldn't bring glass over in those rickety old ships; it would have smashed to smithereens. But the glass makers were promptly diverted by the profit to be made in raising tobacco; and glass-making was delayed. It was delayed in fact, until our American ancestors wanted money. It was delayed until Italians were imported and put to work making glass beads for use in trading with the Indians! That was the first mint in the United States.

The first transparent glass for windows was made by gathering a large drop of molten glass on the end of a blow pipe and blowing the glass into a sphere. This was reheated, and whirled into a disc; then cooled and cut. This was "crown" glass. Then came the kind of glass you still see in cheap windows—the glass with waves in it that distorts the image on the other side. It was made by rolling molten glass up like a scroll, and then cutting the scrolls open. They heated the scrolls, and tried to iron them out flat. Glass-makers weren't satisfied. They wanted to make glass in a flat sheet.

The problem was solved by a Philadelphia man who made a living blowing lamp chimneys and drinking glasses. And that was as recent as 1905, and it wasn't until 1912 that this man, whose name was Colburn, could convince anybody that he had the right answer to everybody's prayer. And it was until 1917 that the Colburn process was perfected under

(Continued on Page 4)

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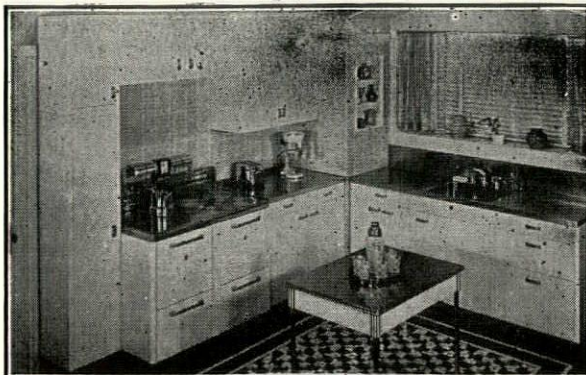
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To The Editor:

Having heard from Mr. Harry Angell that you will put an employment ad in your periodical, I request insertion of the following:

I am 43 years old, married and have had 18 years experience as a mechanical draftsman, 6 years in the employ of The De Vilbiss Co. designing exhaust equipment, 2 years as structural detailer at The Standard Oil Co. when their Bay Shore refinery was under construction, the past 6 years I have been employed by The Strong Electric Corp. in the capacity of chief draftsman in charge of the design of automatic arc lamps for motion picture projection.

I feel confident I can handle structural detailing, but would prefer a position as machine designer, as most of my experience has been in that line.

Thanking you in advance for any help you may give me in finding a position, I am;

Truly yours

Ben W. Douglass,
705 Toronto Ave.,
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COMMITTEE ON PUBLIC INFORMATION

Announcement has just been received from Charles T. Ingham, Secretary of the American Institute of Architects, of the personnel of the Institute's Committee on Public Information.

Wm. Orr Ludlow of New York continues as Chairman; Neil J. Convery, of the Middle Atlantic Dist., as Vice Chairman.

Other members and their districts are as follows: Frank Chouteau Brown, New Eng. Dist.; William Orr Ludlow, New York Dist.; Neil J. Convery, Mid. Atl. Dist.; George H. Spohn, So. Atl. Dist.; Charles I. Barber, Gulf Sts. Dist.; Arthur F. Woltersdorf, Ill.-Wisc. Dist.; Talmadge C. Hughes, Gr. Lakes Dist.; Roy H. Haslund, Cent. Sts. Dist.; Lloyd W. McClenahan, West. Mnt. Dist.; and Winsor Soule, S. Nevada Dist.

DEPARTMENT OF BUILDING AND SAFETY ENGINEERING BUREAU OF BUILDINGS

TWO STORY MULTIPLE FAMILY TERRACES

The Board of Rules of this Department at a meeting held March 16, 1938, considered a request for approval on the erection of a U-shaped terrace, two stories in height with fire walls between each two dwellings and with eight (8) feet ceiling height on the first floor and seven foot, six inches (7' 6") ceiling height on the second floor, and as a result adopted the following resolution:

"Where dwelling structures, not exceeding two (2) stories in height, are so designed and arranged that each family unit is completely separated from every other family unit by fire walls and provided with separate outside entrances, and having rooms so arranged that all legal light is derived from window openings on yard spaces as required for multiple dwellings, such dwelling structures shall be considered as a series of single family units, and those provisions of the State Housing Code relating to single family dwellings may logically apply: provided, that the front of each dwelling unit shall face upon a public street at least forty (40) feet wide, or upon a private parkway, located upon the same lot with the structure, at least sixty (60) feet wide, or, upon an outer court not less than twenty (20) feet in width extending to said street or parkway."

GEORGE F. EMERY
Chief Building Inspector

NEWLY REGISTERED ARCHITECTS

The Michigan State Board has announced the registration as architects, by examination, of the following:

Ackley, Clark R., 527 Hollister Bldg, Lansing, Mich.; Agree, Allan G., 1546 Calvert Ave., Detroit, Michigan; Blakeslee, L. Robert, 18210 Stoepele Ave., Detroit, Mich.; Colvin, F. Huston, 401 South Division Street, Ann Arbor, Mich.; Flanagan, Paul E., 129 S. Granger Ave., Saginaw, Michigan; Giberson, Edgar D., 4310 Nottingham Rd., Detroit, Michigan; Hewitt, Edward N., 4635 Buckingham, Detroit, Mich.; Johnson, Floyd R., 1816 Parkwood Way, Jackson, Mich.; King, Sol, 3001 Pasadena Avenue, Detroit, Mich.; Lorenz, Williard B., 7420 Fenkell Avenue, Detroit, Mich.; Sewell, Paul R., 18414 Woodbine Avenue, Detroit, Mich.; Stewart, A. Alan, 2200 Olds Tower, Lansing, Mich.; Swarts, Ward G., 541 Thompson St., Ann Arbor, Mich.; Taylor, Jonathan A., 206 N. Washington Avenue, Ypsilanti, Mich.; White, Donald F., 85 Bagley Street, Pontiac, Michigan.

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Edited by E. J. Brunner

COMING EVENTS**GOLF**

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The September Outing will be a record breaker in every respect. Don't miss it. If you don't play golf come out anyhow for the big industry feature dinner.

Plan your crowd now and be sure to make reservations before the day of the outing.

Maple Lane Sept. 14 (Wednesday)**Buyers' Guide**

The 1939 Buyers' Guide—a classified directory of wares and services will be published by the Builders' and Traders' Exchange to reach the 4000 architects, engineers, contractors, builders, plant managers, building managers, and real estate managers to whom it is distributed through the courtesy of the members of the Exchange.

BOWLING

Plans are now being made for the 1938-39 season of the Builders' and Traders' Bowling League.

Any person connected with a member firm is eligible.

MANY MORE MEMBERS OF THE BUILDERS' AND TRADERS' ARE SUBSCRIBING FOR THE STATE NEWS

INDUSTRY LUNCHEONS

Those who remember the weekly luncheons held in the spring and until the real hot weather came will be glad to know that plans are being made for a start in September.

THE FACTFINDER TALKS ON GLASS

(Continued from Page 1)

the guiding spirits of Michael Owens and Edward Libby. This process draws the white hot mass of molten glass somewhat on the same principle as paper pulp is drawn on a moving belt.

Meanwhile—PLATE glass, the aristocrat. Making plate glass is one of the fussiest jobs in the industry—and that's saying something! The pot alone, in which the materials are melted, is FOUR YEARS in the making; and gives only a few days of service. These pots are subjected to three thousand degrees of heat! In them, sand, lime, and lead are melted to a white hot mass, then poured onto a steel slab weighing two hundred tons. A steel roller, weighing twenty five tons, rolls the mass out flat at the required thickness exactly, and the white hot fluid becomes a red hot sheet of glass. When cool—and it takes at least five hours to cool it properly—the great plate is ground by five hundred horse power motors, feeding in sand and water, the sand becoming finer and finer, until emery is used. Then the plate is polished with felt and rouge, and washed with acid. Of the original batch in the pot, very little remains—almost half of

it has been ground off and washed away. But what remains is plate glass.

The study of glass is a complete maze of unexpected complications. There's the bottle industry, colored glass, mirror-making, glass fibers which are finding a new application now as wall paper for places that need light—such as stairways, foyers, lobbies, and elevators. And fiber glass is used in filtration, and insulation. And of course, there's even the glass eye—and an expert glass eye worker can pencil thin threads of colored glass on the shell to give a realistic appearance of veins; and the best of them can even make an eye that fits muscles and will actually move. And there's the tempered glass that has six times the strength of ordinary plate glass. In a laboratory test a two-pound steel weight, and an eleven-pound sack of shot were dropped onto a quarter-inch sheet of tempered glass from a height of six feet—with no harm done. And they tell me that a six-ton elephant stood on a piece—and nothing happened except that the elephant looked silly!

And consider the glass sandwich! It's made of two plates pressed with a sheet of plastic between them. Laminated glass they call it. It's safety glass, and the

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WEEKLY BULLETIN

automobile industry used seventy-five million square feet of it two years ago. Just ten years ago, it would have cost three hundred dollars to equip one car with safety glass; today hardly a car is made that isn't completely equipped with it. Thus has the glass industry kept pace with world developments. It deserves a beautiful glass orchid.

Orchids also to HI-SPEED EX-CARBON GASOLINE—because it keeps pace with automotive developments by fighting hard carbon deposits under the hood so as to preserve the car's fresh power and lively get-away in traffic. It's a modern gas for the modern car, and you get it ONLY under the HI-SPEED sign.

And say! The driver who has too much to drink endangers his own life, the lives of his passengers, and the lives of everyone he meets on the highway. You'll be wise to prevent your friend from driving if he has that glassy stare. And THAT'S A FACT! Good night.

ADVENTURES IN LIVING

A series of non-theatrical motion picture programs for adult club and organization showings . . . based on the primary idea that the family affords a firm foundation of emotional security and the orderly development of personality . . . presenting new experiments in living demanded by this family's new importance in contemporary civilization.

The first five productions in this series of motion picture programs are described briefly below:

Program No. 1 — "JOHNNY MAKES A WISH"—Story of a 12-year old boy who was rapidly developing an "unwanted" complex—who had no voice in family affairs. How the parents learned to apply democratic principles to the family life. How a simple home modernization—designed and completed by the family architect—brought new life to the entire family.

Program No. 2 — "BARBARA GETS MARRIED"—Story of older sister Barbara and her "beau" and how the family architect built them a home of their own that they could afford, giving them the right to establish new cultural conditions, establish an approach to the economic stability of a new family, surroundings for a spontaneous interest in reproduction and parenthood.

Program No. 3 — "THE MORGANS STAY IN TOWN"—all about a community meeting aroused by the thought of a multiple housing project creeping into their residential community. How Mr. Morgan uses the family architect to gain his point that the erection of this properly conceived multiple housing project makes for the security of the family idea and the economic advancement of their particular community.

Program No. 4 — "MRS. HORGAN DOES THE WASH"—wherein Mrs. Morgan's women's club are treated to a lesson on community planning, safeguarding of their community and family life, by friend architect — and how the new community school was designed and built to provide a new recognition of the

values of family life and experimentation with new ways of living.

Program No. 5 — "JOHNNY MAKES A DECISION"—Story of how Johnny decides on his college course and how his friend the architect helps him plan his future farm and farm home.

"We cannot foretell the future—we cannot control the future—but we can favor economic progress, social harmony, and the orderly development and spontaneity of the individuals that together comprise our changing population." . . . (National Resources Committee).

These motion picture programs produced and distributed by "Consult your Architect" Motion Picture Council, 551 Fifth Ave., New York.

ARCHITECTS REPORTS

BENNETT & STRAIGHT, Schaefer Bldg., Dearborn. Prep. plans for Add. to United Memorial Hospital, Greenville, Mich.

DIEHL, GEO., 120 Madison, CHerry 7268.

Convent, Gesu Parish. Revising plans. Bids closed. Contract to be let.

DESROSIERS, ARTHUR, 1414 Maccabees Bldg. St. Nicholas Church contract let.

DERRICK & GAMBER, Inc., 35 fl. Union Guardian. Pontiac State Hospital bids close Sep. 6.

GIFFELS & VALLET, Inc., 1000 Marquette Building. Prep. plans subst., Gen. Con., Tool & Die Shop, Ford Motor Co.; also for local manufact.

HYDE & WILLIAMS, 318 Woodward, MA. 0803.

Taking fig. by invitation on Res. for Lloyd E. Loessler, Mackenzie & Freda Aves.

JENSEN, C. R. Prep. plans alteration City Hall, underground comfort station, Civic Center, River Rouge.

KAHN, ALBERT INC., MA. 7200.

Ypsilanti State Hospital, PWA project. Bids closed. Taking fig. on steel for General Motors Exposition Bldg., N. Y.

Taking fig. on Wright Aeronautical Bldg. Patterson, N. J. Bids received in Detroit.

KEYES, HUGH T. 747 Free Press Bldg. RANDolph 7415.

Plans for Res. B. E. Hutchinson, Lake Shore Rd.

LANE, DAVENPORT & MEYERS—Prep. plans 4-room school, East Detroit.

MALCOMSON, CALDER & HAMMOND, 1219 Griswold, CA. 9651.

Prep. drgs. on add. to David MacKenzie High School, Auditorium, Class room wing, health unit, swimming pool etc.

Prep. working drgs. for new three story and basement fire proof re-inforced concrete class rm. unit for Trinity Baptist Church, Indiana near Fenkell.

Prep. wkg. drgs. & spec. for Men's Dormitory, Western State Teachers College, Kalamazoo, Mich.

Prep. plans & spec. for girls dormitory for Michigan State College, East Lansing, Mich.

Taking bids on Health Service and Hospital, Board of Agriculture, Mich. State College, E. Lansing, Mich.

MASON, GEO. D. & Co. 408 Griswold, RA. 7850.

6th Church of Christ Scientist. Bids closed.

SMITH, HINCHMAN & GRYLLS—Walter H. Wyeth, Associate—Prep. sketches, City-County Bldg., Port Huron.

STACHOWIAK, STEPHEN J., 3005 Caniff Avenue, Townsend 8-7122.

Prep. plans on following: Alterations and additions to Veterans Home; Preparing plans for Vocational School; 50-bed hospital, contagious diseases; Administration Building; Alterations to store front; Auditorium at Flint, Michigan, 110' x 126'; Alterations to residence; Alterations to beer garden.

STAHL, JNO. & CO., 628 McKerchey Bldg. CA. 5818.

Prep. plans for Res., Grosse Pte. Park.

WETZEL, B. C. & CO., 2317 Dime Bank Bldg., CA. 4941. Prep. plans Ionia State Hospital, Ionia, Mich. Ready about Sept. 10.



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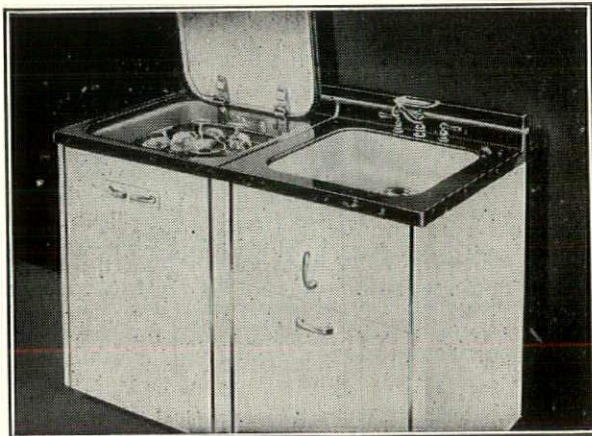
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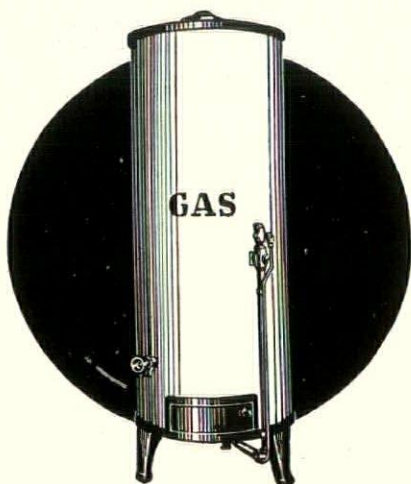
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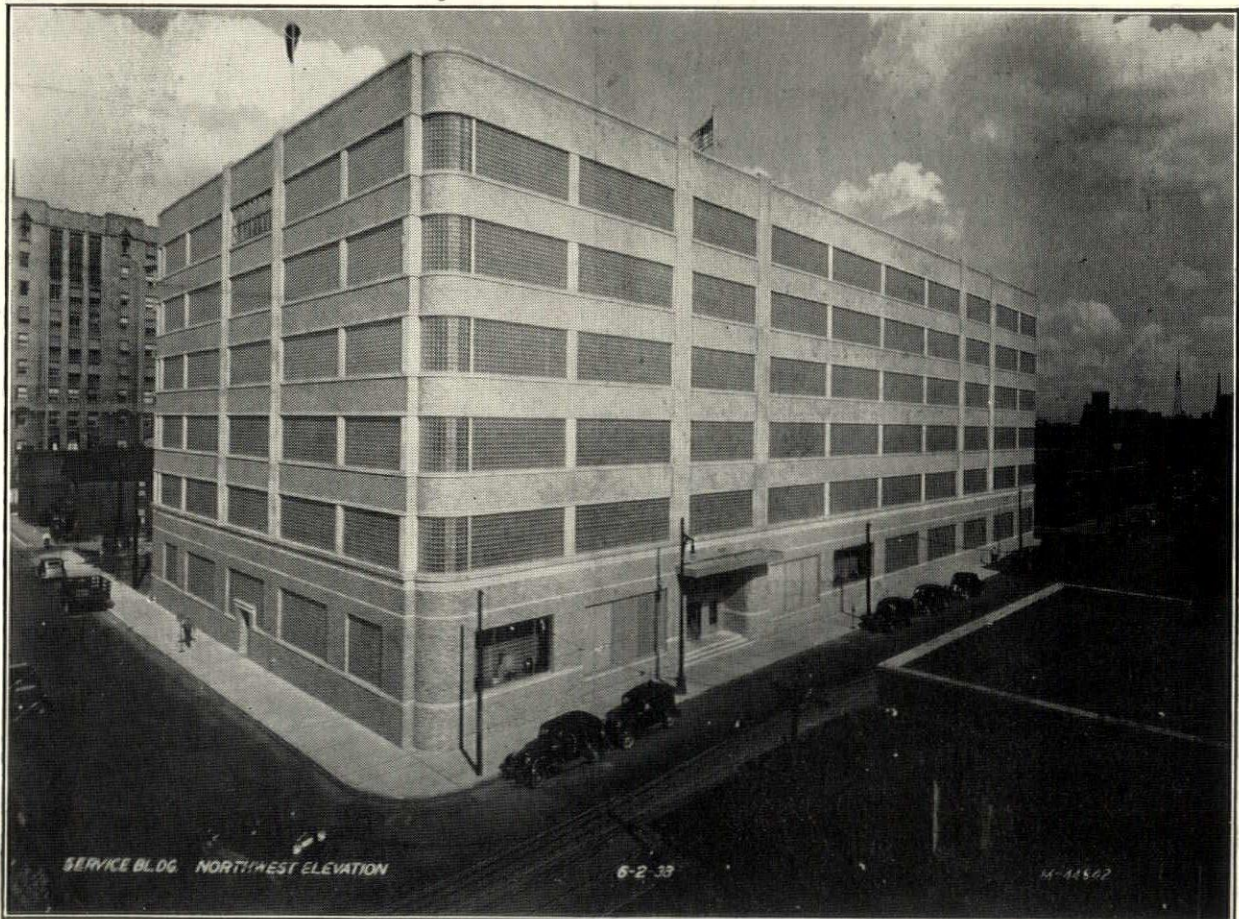
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Volume 12

DETROIT, MICHIGAN, SEPTEMBER 13, 1938

NO. 37



WALBRIDGE, ALDINGER COMPANY,
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SERVICE BUILDING
THE DETROIT EDISON COMPANY

JOHN C. THORNTON,
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DETROIT EDISON COMPANY'S NEW SERVICE BUILDING

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JOHN C. THORNTON, A. I. A. ARCHITECT

The automobile has reached a state of mechanical development so nearly perfect that we are inclined to take its performance for granted. Its many mechanical parts function so well that we are not conscious of their existence.

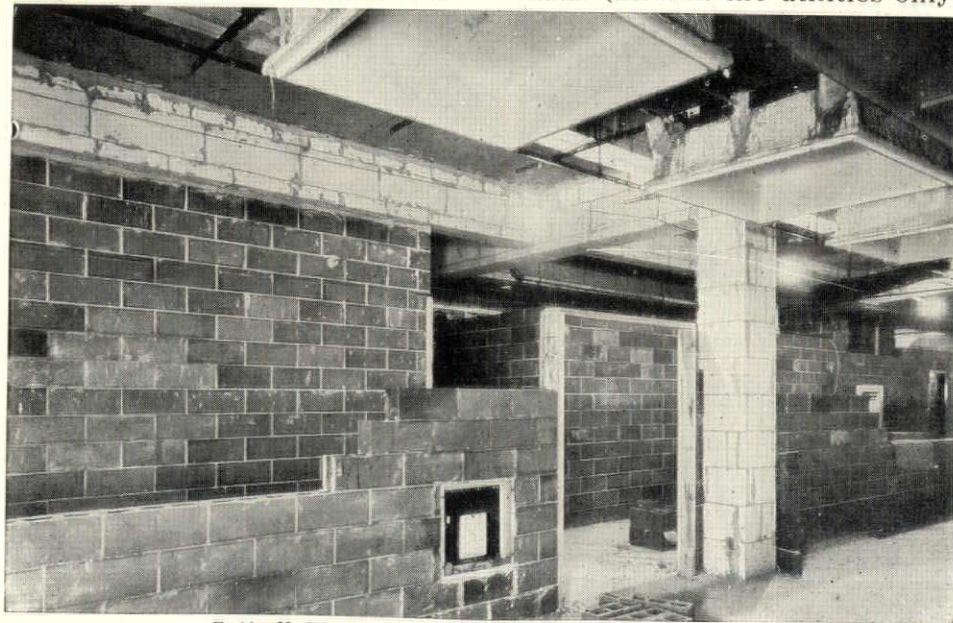
Imagine a building—a machine with many functions to perform—that operates in a similar way. The elements are there doing their work quietly and efficiently, without forcing themselves upon us. Such a machine is the New Service Building of the Detroit Edison Company.

Doctor Emil Rosinger, Real Estate Editor of the Detroit News, says a building makes news when it differs in some noteworthy respects from other buildings designed for similar purposes—we might add that when it differs notably in practically every respect it makes headlines.

In order to properly evaluate this building it is necessary to know something of the company back of it, its aims and purposes. The Detroit Edison Company is one of our public utilities which undoubtedly ranks at the top in public favor. Many Detroit architects have had experience in their architectural department, and these men know that with the Detroit Edison Company, service comes first. Their personnel is of the very highest type and members of their staff put all they have into the jobs. Being a corporation with a personality, they realize also that such co-operation pays big returns.

The requirements for this building, which was to house several important divisions of the company, called for a plan flexible as to future subdivision, with a large percentage of usable area, and easy access throughout the interrelated ele-

ments. Economy in initial cost and maintenance were also factors. Early in the sketch stage of this project complete air conditioning was decided upon, and this greatly influenced its future design. There are no windows except for a few in the rest rooms, and it is about as nearly self-contained as it is possible for a building to be, providing complete control of light, temperature and ventilation. This also makes the basement, which is used for such departments as electrical appliance repair, meter reading and meter testing, just about as desirable as any space in the building. Departure from the usual was also made at the outset, even in the materials of construction, in the use of precipitator ash for both structure and ash-lime masonry units. Exhaustive tests were made of this material, which uses one of the company's by-products, ashes from its powdered-coal burning plant; and it was found to be economical, strong, durable and light in weight. Moreover it presents a smooth finish surface suitable for painting. With these blocks for permanent partitions (around the utilities only) very little



Cottrell Block Partitions in Process of Erection

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AIR CONDITIONING
SYSTEM

in

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BUILDING

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plastering was required in the building.

The open planning of large unobstructed areas was made possible by locating the utilities in the center of a rectangular plan 120 feet by 248 feet, leaving office areas approximately 48 feet on all four sides, and a net usable space per floor of 82½% of total lot area. The saving of two stories in height over a court type building was made possible by completely controlled air conditioning, heating and lighting, with somewhat lower ceiling heights than would otherwise have been necessary.

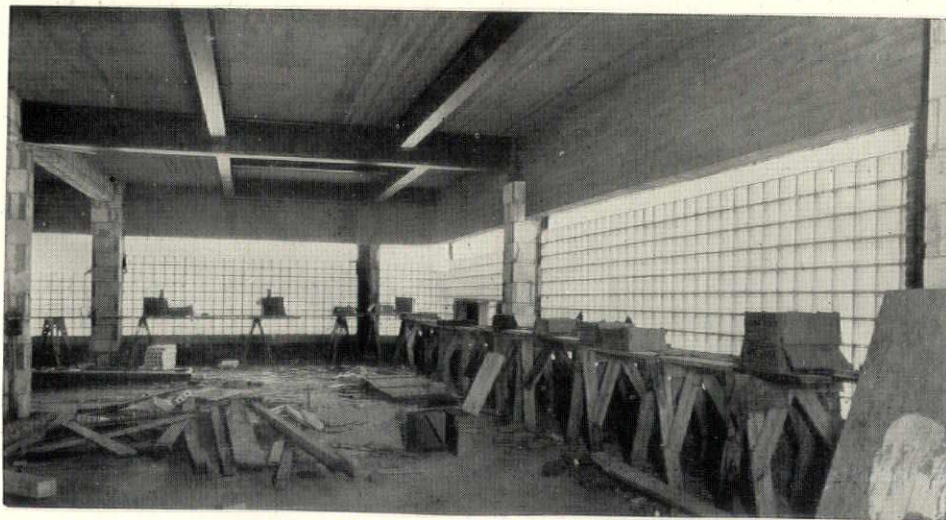
The ingenious method of locating lighting coffers and ducts within the same thickness between finish ceiling and finish floor recalls the tunnel built in the floor of an automobile for the drive shaft. These coffers, shown in the illustrations, are four feet square and 17 inches deep. There are nine coffers per bay of 600 square feet, and each coffer contains one 300 watt lamp. Ordinary hanging fixtures, besides necessitating a higher ceiling, would have required 1300 watts additional per bay.

Although the ceiling is made to serve several purposes—heating, lighting, ventilating and sound absorption—its unoccupied surfaces are of perforated metal over acoustical material so as to present the same appearance as the areas where air is introduced into the room, affording a most pleasing finished appearance in unity with the glass block exterior walls. This permits greater flexibility of interior partitioning. This is in the spirit of the times, as none can predict what future requirements may be, but, as in the case of Albert Kahn's industrial work, the way is

left open for future change, and thus obsolescence is forestalled as far as it is humanly possible to do so.

The building contains, among other things, the company's architectural and engineering offices, with large drafting rooms; small assembly room for sales department demonstrations; facilities for cooking school, with demonstration kitchen. A portion of the building is seven stories, which is combined with the penthouse for stairs and elevators to make an interesting architectural feature.

The exterior of the building is of buff face brick trimmed with buff Indiana Limestone, while practically all of the windows are glass block. The design is simple—the first floor forming the base for the building. The reveals are very shallow and plain surfaces play a leading role. The brick is laid in an interesting bond of subtle saw-tooth pattern formed by the vertical points rather than the brick, giving the finish the effect of a tapestry weave. The glass block, aside from its aesthetic value to the exterior, is a definite utility measure. The heat loss is near that of double windows and the glass blocks have a high degree of diffusion which makes them doubly desirable in a building such as this where the offices extend nearly 50 feet in from the outside wall. The block extend from the sill to the ceiling and are continuous between columns, thus admitting a maximum amount of light. Owing to the fact that the glass block will have the insulating qualities of double sash against outside noises and the acoustical pan ceiling and asphalt tile floors will tend



Interior View of Glass Block and Concrete Work During Construction

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Interior View of Typical Floor, Showing Light Coffers and Supply Air Ducts Before Ceiling is Plastered and Perforated Pans Installed

to absorb interior noises, the building is an unusually quiet place in which to work.

Floors throughout, except in the lobby, sales assembly room, and toilet rooms are asphalt tile. The lobby is finished in a mat glazed terra cotta with a dark travertine floor. The floors of the sales assembly room are 9"x9" beech block. The toilet room floors are of tile with walls of salt glazed brick tile. Stair treads are of alundum tile.

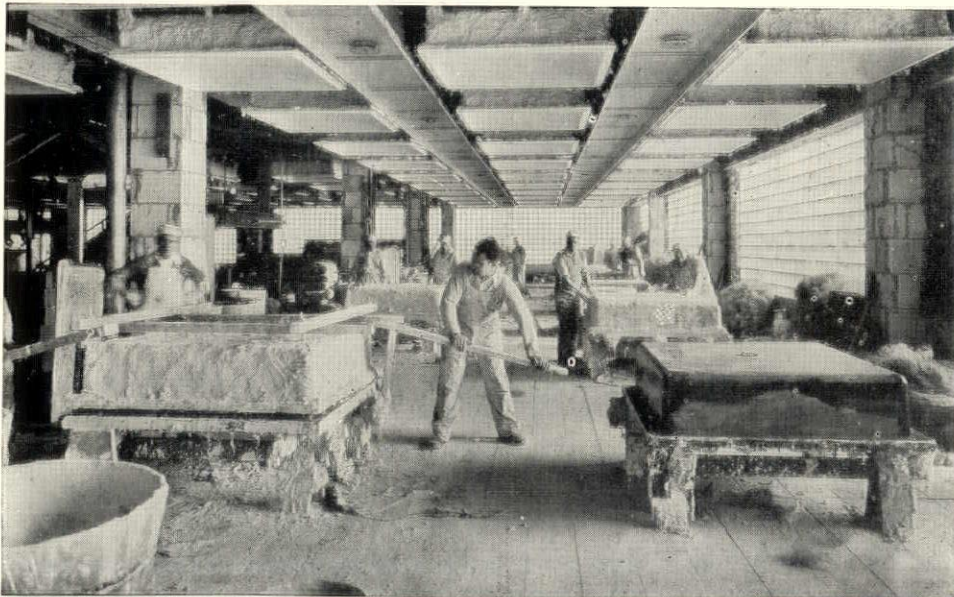
A tunnel connects this building with the general offices of the company on Second Avenue. This tunnel is of reinforced concrete, lined with salt glazed brick tile, laid with an air space between it and the concrete. The floor is of asphalt tile and the ceiling is covered with an acoustical tile

which also serves as an insulation, which is desirable because of possible condensation.

A feature of this building is that there will be practically no exterior maintenance above the first floor. No painting will be required, the only metal being small angles at the lintels which are of aluminum and a few stainless steel mullions. The glass block will not require nearly as frequent washing as clear windows.

So far as is practical for the needs of a structure of this type, this building is an example of complete mechanical equipment and represents the results of much study by the company in the field of modern architecture and engineering. Every effort

(Continued on Page 13)



Making Light Coffers. Coffers and Ducts in place are Shown.

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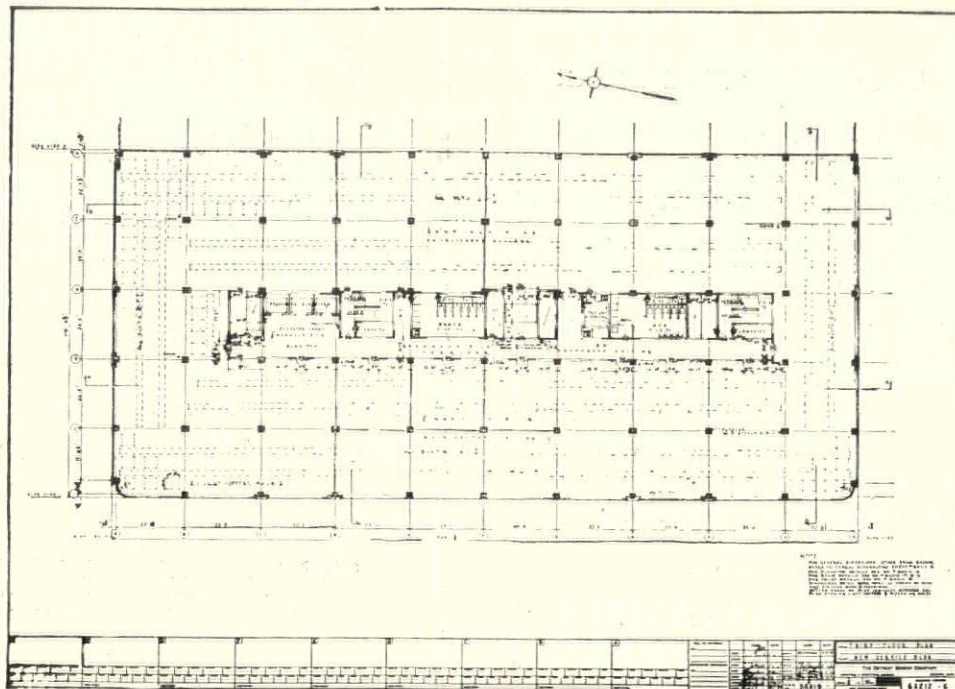
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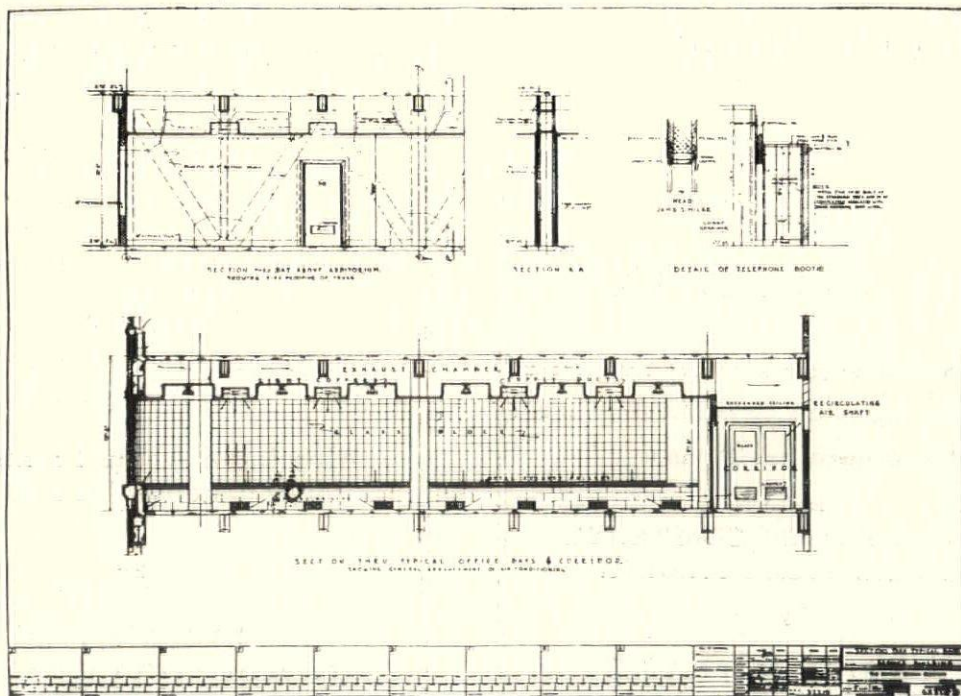
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Typical Floor Plan. Note Light Coffers and Air Ducts, Also High Percentage of Work Space.



Section Through Typical Floor From Corridor To Exterior Walls, Showing Light Coffers, Supply Ducts, Method of Handling Return Air, Etc.

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Detroit Edison Company's New Service Building

(Continued from Page 9)

has been made to insure efficient and comfortable working conditions for the employees, to provide a building which will be appropriate for its intended use.

A building of this type makes it impossible for occupants to regulate temperature and ventilation by opening and closing windows in the accustomed manner. Furthermore, with office areas extending in 50 feet from the outside wall to the corridors, this use of windows would prove highly unsatisfactory even if they were available. Thus the necessity of providing air conditioning for all the enclosed space was recognized at the outset.

The peculiarities of both the heating and cooling loads led the designers into what some may regard as a rather complex system of air conditioning. For instance, it was found that with all of the lighting in a given floor turned on, enough electric heat would be given off to keep that floor com-

fortable in weather well below freezing without supplying heat from any other source. Also, times could be expected when it would be necessary to supply heat to the office areas adjacent to the outside walls while at the same time supplying air to cool the inner areas. As no definite time could be determined as the end of the cooling season and the beginning of the heating season—both heating and cooling must be available for all areas throughout much of the year.

From the foregoing it will be seen that separate control of temperature in many areas, called "zoning," was essential. In the complete design 84 zones were used, each capable of controlling both heating and cooling. Each zone has a separate feeder duct supplying it and a thermostatic control of the temperature of the air entering the feeder. During the cooling season, all these feeder controls, or thermostats, are adjusted automatically by variations of outdoor temperature and thus prevent excessive temperature differences between indoor and outdoor air. Below 73 degrees F.



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Interior View of Typical Office at Night, New Service Building, The Detroit Edison Company

Sheet Metal Work In Connection
With The Air Conditioning System

and

Complete Installation Of The
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58 Second Avenue, Brooklyn, N. Y.

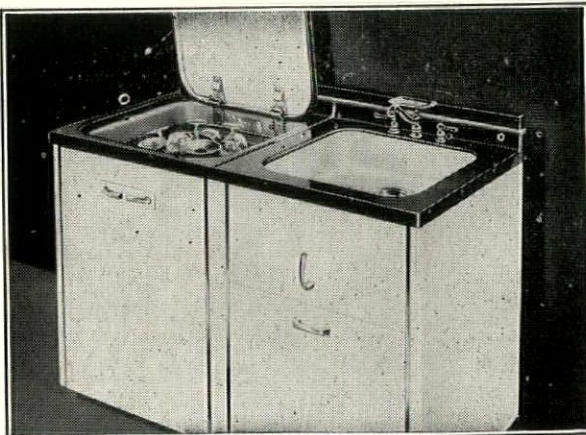
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Detroit

outdoors, the controls will maintain a constant indoor temperature.

All the heating, refrigerating, and air handling equipment is located in the basement. This arrangement has obvious advantages from a standpoint of operation, loading of the structure, and noise. Rising from each of three fan rooms are three supply shafts. Each shaft is split vertically, one half carrying warm air and the other cold air. As each shaft passes a floor the warm and cold halves of the shaft supply air to mixing dampers which in turn regulate the outgoing air temperature in a manner similar to that of a twin hot and cold water faucet. Each previously described zone feed is connected to one of these mixing dampers, and extends through the suspended ceiling space, terminating in long air chambers which run continuously, flush with the ceiling. The bottom of these chambers, which are called "diffusing strips," are faced with perforated sheet metal, the same material that serves to form the acoustic treatment for the balance of the ceiling. Air enters the room through the

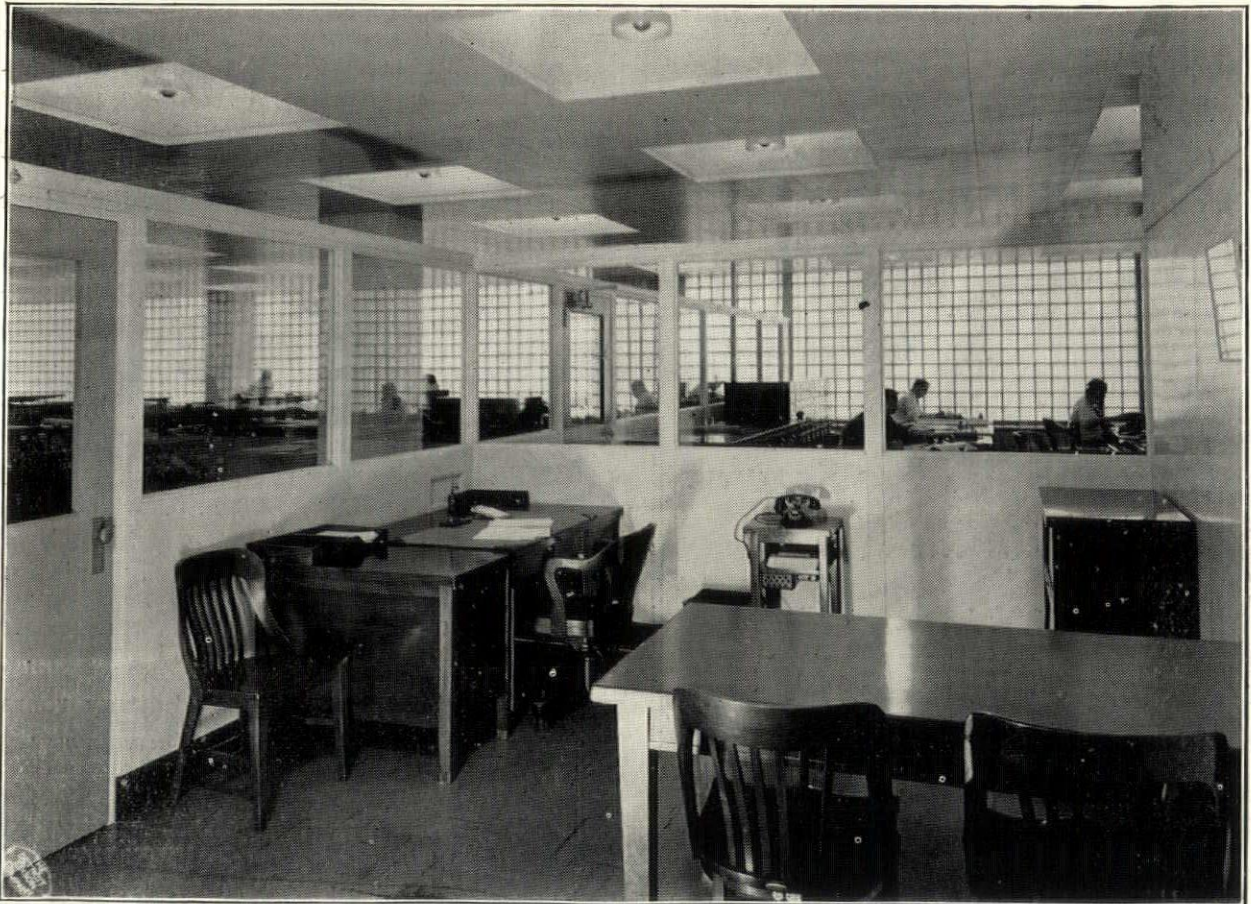
perforations, arriving at head level with scarcely perceptible movement. The diffusing strips are arranged two to a bay, and in this building their estimated aggregate length is somewhat over two miles.

Air leaves the room by two routes: one by way of openings at the base of the glass block to the ceiling space of the floor below, which in turn connects to the return air shafts; the other by way of the corridors which connect directly to the return air shafts.

Other interesting features of this system are:

1. All air supplied to the rooms, both outdoor and recirculated, will be drawn through soft cotton filters.
2. The system will normally supply approximately 20 per cent outdoor air, although provisions have been made making 100 per cent outdoor air supply possible.
3. The heating, cooling and dehumidifying of the air is accomplished entirely with finned surface copper coils.
4. Means have been provided to pre-

(Continued on Page 16)



Private Office, New Service Building, The Detroit Edison Company, Illustrating That an Inside Office is as Desirable as One at the Windows. This View Shows the Office of John C. Thornton, Architect.

An Outstanding Job

The New Service Building of The Detroit Edison Company, featured in this issue of the Bulletin, is an architectural achievement which defies description. It must be seen to be appreciated.

To our own John C. Thornton A.I.A., treasurer of the Michigan Society of Architects and head of the Architectural Division of The Detroit Edison Company, must go a goodly portion of the credit.

The building from bottom to top and from outside to inside is like a streamline train—without being extremelined. It can best be described as the most advanced in design of any in the entire country. This is indeed an accomplishment when one considers that economy was one of the chief factors.

In practically every detail there simply was no precedent. For instance, their own office partitions were worked out, models were built and studied, with various color schemes. The results are simple, modern and effective, and the entire color scheme, both inside and out is warm, restful and unobtrusive.



JOHN C. THORNTON

Treasurer, Michigan Society of Architects
HEAD OF THE ARCHITECTURAL DIVISION,
THE DETROIT EDISON COMPANY

Some of the reproductions in this issue are through the courtesy of The Constructor, publication of the Associated General Contractors of America, which publication carried a "preview" in the December, 1937 issue. The Architectural Forum will feature the building in a forthcoming issue.

Detroit Edison Company's New Service Building

(Continued from Page 15)

vent the air pressure inside the building exceeding that outside.

5. The refrigerating plant has a capacity of 540 tons requiring 600 h. p. to drive.

6. Separate exhaust systems have been provided for toilet rooms, spray painting rooms, blue printing machines, cooking school, window display lighting, concourse, assembly room, buffing wheels, engine room, projection room, and battery room.

GLASS BLOCK

in the

*Detroit Edison
Company's New Service
Building*

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439 Penobscot Bldg., RAndolph 5590

Edited by E. J. Brunner

ESTIMATING CLASS NEW TERM STARTS SEPT. 12th, 1938

Enrollment and first meeting of the Builders' and Traders' estimating course will be held at 6:30 p. m. Monday, September 12th. Class sessions are two hours long and will be held on Monday and Wednesday evenings for 15 weeks, in the plan room at 439 Penobscot building.

Instruction will be given in plan reading, quantity survey, cost analysis, interpretation of specifications and all kindred subjects, optional work on slide rule will also be given.

This is a practical course, no time is wasted in class discussing subjects not directly related to estimating.

During the five terms of these classes already completed at the Exchange there have been over 120 students enrolled—representing 85 firms. These men have benefited greatly by their studies in class and in many cases their improved ability has resulted in better positions. Their employees have also been pleased to find their students becoming more valuable to the company. In addition to the employees, many heads of concerns have been enrolled. These executives have found that the discussions and general class work have helped them in conducting their business on a more profitable basis.

There is a large number of plans of various types available for class use. Students will be given the opportunity to select the type of plan which will help

them most in their every day work. General Contractors will be grouped separately from house builders and sub-contractors. Advanced students will be grouped separately from the beginners.

The instructor in charge of these classes is E. M. Kaake who has successfully conducted the school for the Exchange since it started 3 years ago and who also taught estimating at Detroit Institute of Technology for five years. Mr. Kaake is a practical estimator with over 15 years experience on industrial and public buildings as well as on residential and commercial jobs.

The total cost of 30 evenings instruction is \$25.00, payable in advance or half upon enrollment and balance within six weeks.

For further information or advance enrollment call Mr Kaake at DAvison 1333 evenings or the Secretary of the Exchange during working hours.

MEETING OF BOWLERS

Members of the Builders' and Traders' Exchange wishing to bowl this year will please meet at the Twenty Grand Recreation, corner of 14th St. and West Warren at 12 noon Friday, September 16.

Robert Ruhl newly elected chairman of bowling expects a full attendance. Plans for the year will be discussed.

ARCHITECTS REPORTS

BENNETT & STRAIGHT, Schaefer Bldg., Dearborn. Plans for Add. to United Memorial Hospital, Greenville, Mich ready. Bids to be taken at Greenville.

DIEHL, GEO., 120 Madison. CHerry 7268.

Convent, Gesu Parish. Contract let to J. A. Utley Co, Mech. L. L. McConachie Co. El. Wk., F. J. O'Toole.

DERRICK & GAMBER, Inc., 35 fl. Union Guardian. Pontiac State Hospital bids close Sept. 9.

GIFFELS & VALLET, Inc., 1000 Marquette Building. Prep. plans supst., Gen. Con., Tool & Die Shop, Ford Motor Co.; also for local manufact.

HYDE & WILLIAMS, 318 Woodward, MA. 0803.

Taking fig. by invitation on Res. for Lloyd E. Loessler, Mackenzie & Freda Aves.

JENSEN, C. R. Prep. plans alteration City Hall. underground comfort station, Civic Center, River Rouge.

KEYES, HUGH T. 747 Free Press Bldg. RAndolph 7415.

Plans for Res. B. E. Hutchinson, Lake Shore Rd.

LANE, DAVENPORT & MEYERS—Prep. plans 4-room school, East Detroit.

MALCOMSON, CALDER & HAMMOND, 1219 Griswold, CA. 9651.

Prep. drgs. on add. to David MacKenzie High School, Auditorium, Class room wing, health unit, swimming pool etc.

Prep. working drgs. for new three story and basement fire proof re-inforced concrete class rm. unit

for Trinity Baptist Church, Indiana near Fenkell.

Prep. wkg. drgs. & spec. for Men's Dormitory, Western State Teachers College, Kalamazoo, Mich.

Prep. plans & spec. for girls dormitory for Michigan State College, East Lansing, Mich.

Taking bids on Health Service and Hospital, Board of Agriculture, Mich. State College, E. Lansing, Mich.

MASON, GEO. D. & Co. 408 Griswold, RA. 7850.

6th Church of Christ Scientist. Contract let to Walbridge, Aldinger & Co.

GEORGE D. MASON ASSOCIATES, RAndolph 7850.

Prep. preliminary plans for Southfield S. James Herman Garden Housing Project.

SMITH, HINCHMAN & GRYLLS—Walter H. Wyeth, Associate—Prep. sketches, City-County Bldg., Port Huron.

STACHOWIAK, STEPHEN J., 3005 Caniff Avenue, TOWnsend 8-7122.

Prep. plans on following: Alterations and additions to Veterans Home; Preparing plans for Vocational School; 50-bed hospital, contagious diseases; Administration Building; Alterations to store front; Auditorium at Flint, Michigan, 110' x 126'; Alterations to residence; Alterations to beer garden.

WETZEL, B. C. & CO., 2317 Dime Bank Bldg., CA. 4941, Ionia State Hospital, Ionia, Mich. Bids being taken soon.

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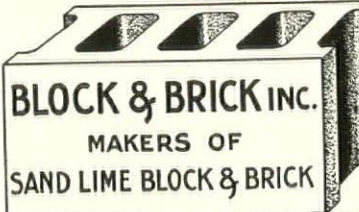
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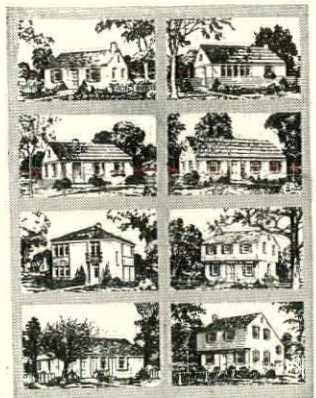
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Volume 12

DETROIT, MICHIGAN, SEPTEMBER 20, 1938

No. 38

ANNUAL ROSTER NUMBER, WEEKLY BULLETIN

To carry photographs and brief biographies of every active member of the society.

For some years past the Weekly Bulletin has published annually a list of architects registered in Michigan. This has proved useful to architects as well as to many others. It is believed that such an issue would be more useful if it were something more than a roster and contained also a photograph and brief biography of every member, a sort of who's who of architecture in Michigan.

This issue would, as before, contain a complete list of all architects registered in Michigan together with their correct addresses, but in addition it would contain photographs and written matter of every **Active Member** of the Michigan Society of Architects, those who have paid three dollars as dues for the year 1938. This, we hope will include every architect registered in Michigan.

Obviously, this is a big undertaking. The only way we can hope to meet with success is through the co-operation of every individual architect.

It is therefore hoped that every Michigan architect will appoint himself a committee of one to furnish us with his photograph and biography without further ado, and in this way help to make our task lighter.

So, please send your photograph (any size) and brief autobiography (not over fifty words) at once.

Herewith are samples to serve as a guide. You may write your own story in your own way. Some may choose to start by giving the dates and places of their births, bringing this down to date with brief resumes of their careers, while others may prefer to confine themselves to information concerning their practice in recent years.

For instance, others are generally interested in

knowing about you such facts as the following:

Date and place of birth, early education, subsequent education, early experience, more advanced experience, degrees, honors received, when you became registered, affiliations with clubs and organizations, offices held, appointments or honors received, military or other experiences, partnerships, present connections and practice, work in which you specialize, if any, etc.

Of course, you may disregard all of this and write your own story, in your own way, just as you would like to have it appear.

The important thing is . . . **DO IT NOW!**

The catch is that only photographs and biographies of active members of the Society will be published, so, if you have not paid three dollars for your 1938 dues please do so immediately and send in your material.

For your information there is published in this issue of the Bulletin on page 3 a list of members who have paid their 1938 dues. If your name is not included send in three dollars, with your photo and autobiography. If your name is on the list send in the latter two without any further payment.

The Bulletin is your own publication. It is owned by the Michigan Society of Architects and we believe it deserves your support. Won't you co-operate?

Allen, Roger. 1228 G. R. Nat'l Bank Bldg., Grand Rapids. Born Grand Rapids June 23, 1882. Training, experience G. R. schools and office of father, the late Frank P. Allen. U. S. Naval officer, France. World War. Employed Smith, Hinchman & Grylls, partner with father, and in late years practiced alone. Author, writer, former newspaper editor. Member A. I. A.



Cordner, G. Frank. 5 Edgehill Dr., Belle Haven, Alexandria, Va. Born, Jersey City. Ed. N. Y. City, Cooper Union, Mechanics' Inst. and Columbia U. Experience, N. Y. Panama Canal Zone, U. S. Gov't and in Detroit. Registered in Michigan, 1918. Practiced in Detroit as individual and as Sukert & Cordner. Now with U. S. Housing Authority, Washington, D. C. Member A.I.A.



Morison, Andrew R. 616 Murphy Bldg., Detroit. Born, Scotland. Ed. Glasgow School of Architecture. To Canada in 1909, office of W. S. Painter & Francis Swales. Ross & McDonald, Toronto; Smith, Hinchman & Grylls, '16-'23. Now, Morison & Gabler, Treas. M.S.A. 8 years. Pres. M.S.A. 2 terms. Mem. Mich. Bd. Reg. Architect Engineers and Surveyors. A.I.A.

Black, Kenneth C. 805 Capitol Sav. & Loan Bldg., Lansing. Born Cedar Springs, Mich., Dec. 20, '01. Grad. U. of M. Won Booth Fellowship, '25. Designer, Jas. Gamble Rogers. Now in practice with father, Lee Black. Pres. M.S.A., '38. Sec. Lansing City Plan Com. Dir. Greater Lansing Visiting Nurses Ass'n. Mem. Lansing Jr. C. of Co., Mich. State Jr. C. of C., U. S. Jr. C. of C., Lansing Parks and Cemetery Com., Country Club. Lansing. Member A.I.A.

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ROCKEFELLER CENTER CARVED MURALS TO BE DONE

BY MILLES

Announcement has been made by Rockefeller Center, Inc., that Carl Milles, Internationally famed Swedish sculptor, now of Cranbrook Academy of Art, has been commissioned to do a sculptured mural for the Time & Life Building in New York City.

The mural, which is to be carved in Polycromed wood, will occupy 15x20 feet in the lobby and will depict "Forest Life" in contrast to the urban character of the Center.

This will be the first creation by Milles for any public building in New York.

PONTCHARTRAIN CLUB BUILDING TO BECOME APARTMENTS

The Pontchartrain Club Building on Bagley Avenue and First Street in Detroit will be remodeled into apartments according to an announcement made to the Common Council by Wm. Friedman, Council for a group of financiers.

It is understood that the operation will be accomplished through an RFC Loan of \$850,000. The work is expected to start within thirty days and give employment to some 600 men for about six months.

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VALUE

The reason the Builders' and Traders' Exchange publishes a BUYERS' GUIDE is that such a book is of VALUE.

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The Builders' and Traders' Exchange is merely the publisher. The money which makes it possible for the book to be produced does not come from the Exchange. It comes from the members in direct proportion to the publicity they take in the book. But if there were no publisher there would be no book therefore the Exchange does help to create the VALUE.

Now because this book is soon to be published, let us scrutinize the VALUE.

This morning exactly at the moment that the editor of this page began mulling in his mind what to say, a telephone call came in from a man who influences a lot of business in the construction industry. The call in substance ran like this: "What does — sell?" Now it happens that Mr. — is not a member of the Builders' and Traders' Exchange.

We told him that we didn't happen to know what Mr. — was handling, and that he was not a member.

The caller on the phone said, "Well if he is not a member and listing his lines down there, I don't think it matters."

Now who can say for sure the VALUE that was lost to Mr. —.

And it is the same with the BUYERS' GUIDE. This book goes into the hands of every practicing architectural firm in the state—as well as to numerous other trades and professions.

An architect busy in his work wants to write in a specification a certain material or equal. There are a number of "equals" and they each would be pleased to be specified. The architect on the spur of the moment forgets who handles this material and he wants to contact the Detroit agency. He turns to the BUYERS' GUIDE. He turns to the material in question. He does not find the trade name listed which he has in mind but he does find a competitive trade name.

"Well," says he to himself, "this is just as good. I'll call this firm."

Who can say what VALUE was lost to the agency which did not list that material.

Furthermore some VALUE of the book itself de-

preciated because the firm he originally looked for was not listed. This last fact is logical evidence that the great value of the book lies in its completeness. The members of the Exchange have that matter largely in their hands. No one can cram a listing down a firm's throat.

It is the purpose of the Exchange to make the 1939 Buyers' Guide the best one ever published in Detroit. If the members list their products and services completely and do not fail to include in their listings the TRADE NAMES and the Manufacturers names, the VALUE of the books to the users is assured. And with that assured the VALUE to the members is assured.

The Exchange could sit back and not take the risks of publishing a Buyers' Guide. Without doing so, it still is giving its members actual VALUES in services well known to all. But the Exchange, sitting back, is not performing its best for its members. It would be shoving aside the possibility of creating a very substantial VALUE for the whole industry including architects, engineers, contractors, house builders and so on and so on.

In preparation for the publication of the book we have contacted many users and we are absolutely surprised at the use the books get.

About four weeks ago, I was meeting a Flint architect for the first time, and thought I might give him a copy of the BUYERS' GUIDE as sort of a calling card. He went to a recess in the wall where his phone was and pulled out a well-thumbed Guide. I didn't need to leave a new one.

I went into the office of a general contractor in Bay City and again tried to leave one. The contractor called to his estimator, "Say, bring that red book here." They had it where it was used.

I went into the office of an architect within Hank Greenberg distance from where I sit writing this, and when I got the "go ahead" from the girl at the board, he was looking at the BUYERS' GUIDE. He said, "You can see Ed what I am using to make up a bidders list."

The Ford Motor Company called in for eleven more copies of the Guide. The manager of the Book-Cadillac called in for two extra copies.

We could enumerate until pages were filled. The enumerations spell VALUE.

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WEEKLY BULLETIN

W.P.A. PUBLISHES REVIEW OF N. Y. CITY'S ARCHITECTURE

The evolution of New York's architecture from the earliest steep-roofed colonial Dutch houses to the skyscraper of 1938 is old in "New York Panorama," recently published by the W.P.A. Federal Writers' Project of New York as the first volume of "New York: A Guide to the World's Greatest Metropolis."

This book devotes an entire chapter entitled "Bricks of the City" to New York's buildings, past and present. It draws on the opinions of prominent theorists, architects and builders, and traces the origin, problems and special achievements of the city's world-famous architecture, emphasizing equally the esthetic, economic and social factors involved.

"New York Panorama" is sponsored by the Guild's Committee for Federal Writers' Publications, of which Franklin P. Adams is president. It is published by Ranrom House, Inc.

ARCHITECTS REPORTS

BRANDT, CHRISTIAN W., 3408 Eaton Tower. General Contract, Residence Huntington Woods let to Heldt & Norton, Pleasant Ridge. Prepare plans, Club House, L. A. Young Gun Club, 9 Mile, near Southfield.

DIEHL, GEO., 120 Madison, CHerry 7268.
Bids due Sept. 22, on Barber Shop, Trenton, Mich.

DERRICK & GAMBER, Inc., 35 fl. Union Guardian. Pontiac State Hospital bids closed.
Prepare plans for 2nd Unit, Pontiac State Hospital Bldg. Prepare plans for Grosse Pointe High School.

GIFFELS & VALLET, Inc., 1000 Marquette Building. Prep. plans supst., Gen. Con., Tool & Die Shop, Ford Motor Co.; also for local manufact.

HYDE & WILLIAMS, 318 Woodward, MA. 0803.
Fig. on Res. for Lloyd E. Loessler, Mackenzie & Freda Aves. closed.

JENSEN, C. R. Prep. plans alteration City Hall, underground comfort station, Civic Center, River Rouge.

KAHN, ALBERT, INC., MA. 7200. Taking figures by invitation on Service Parts Storage Bldg., Flint, Mich.

KEYES, HUGH T. 747 Free Press Bldg. RANDolph 7415.
Plans for Res. B. E. Hutchinson, Lake Shore Rd.

LANE, DAVENPORT & MEYERS—Prep. plans 4-room school, East Detroit.

LARKIN, LESLIE G., 5538 Ivanhoe, Detroit. Bids closed on Alteration to Lincoln Park Theatre.

MALCOMSON, CALDER & HAMMOND, 1219 Griswold, CA. 9651.

Prep. drgs. on add. to David MacKenzie High School, Auditorium, Class room wing, health unit, swimming pool etc.

Prep. wkg. drgs. & spec. for Men's Dormitory, Western State Teachers College, Kalamazoo, Mich.

Prep. plans & spec. for girls dormitory for Michigan State College, East Lansing, Mich.

Taking bids on Health Service and Hospital, Board of Agriculture, Mich. State College, E. Lansing, Mich.

MASON, GEO. D. & Co. 408 Griswold, RA. 7850.

6th Church of Christ Scientist. Contract let to Walbridge, Aldinger & Co.

GEORGE D. MASON ASSOCIATES, Randolph 7850.

Prep. preliminary plans for Southfield S. James Herman Garden Housing Project.

SMITH, HINCHMAN & GRYLLS—Walter H. Wyeth. Associate—Prep. sketches, City-County Bldg., Port Huron.

Taking figures on Gymnasium for Lincoln High School, Ferndale, Mich.

STACHOWIAK, STEPHEN J., 3005 Caniff Avenue, Townsend 8-7122.

Prep. plans on following: Alterations and additions to Veterans Home; Preparing plans for Vocational School; 50-bed hospital, contagious diseases; Administration Building; Alterations to store front; Auditorium at Flint, Michigan, 110' x 126'; Alterations to residence; Alterations to beer garden.

WETZEL, B. C. & CO., 2317 Dime Bank Bldg., CA. 4941 Ionia State Hospital, Ionia, Mich., Genl. Con. let to Geo. W. Auch Co.—El. Wk. Com. Eng. Co.—Plbg. Htg. & Vtg., Phoenix Sprinkler Co., Gd. Rapids.

General Contract on School, Chesaning, Mich. Let to Burritt-Henige Co. Taking figures on 2nd part, Ionia State Hospital.

SEPTEMBER 20, 1938

CARROLL ON JURY OF AWARDS

John Carroll, well known Detroit artist, has been named to the jury of awards for the 1938 Carnegie International Art Exhibition.

Carroll, instructor in painting at the Detroit Society of Arts and Crafts, was winner of the Guggenheim Fellowship and gold medal at the 1938 San Francisco Art Exhibition. He, together with other internationally known artists, will meet in Pittsburgh on September 21 to judge a competition in the exhibition opening October 13th.

Others appointed by Homer Saint-Gaudens, director of fine arts for the Carnegie Institute, include Sydney Lee of London; Othon Frieszk of Paris, and Charles Hopkinson of Boston.


Benton, Muralist, Hits Architects

Thomas Hart Benton, Missouri-born muralist, author and dynamic painter said he would do no more murals until he found an "architecturally perfect setting."

"There's no use working your head off adapting yourself to spaces that have no value as frames for an expression in life," he said:

"My conception is that so far as has been seen to date, the architect only wants what amounts to a piece of wallpaper on the wall, something so devoid of striking content, so devoid of genuinely stimulating esthetic properties that it will not disturb his predetermined concept of the proper formal relations in his building.

"The architect has got to realize that the artist also is a living, creative being."



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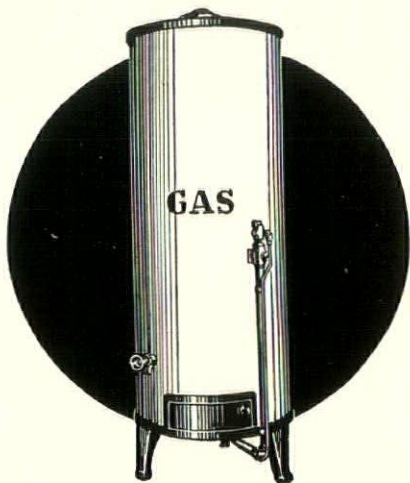
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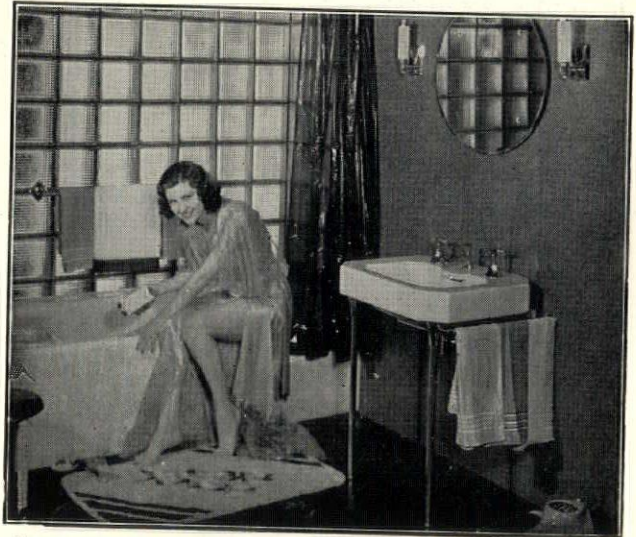
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WEEKLY BULLETIN



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Volume 12

DETROIT, MICHIGAN, SEPTEMBER 27, 1938

No. 39

YOUR MEMBERSHIP IN THE SOCIETY

The Society's Annual dues have been as much as fifteen dollars per year, and the initiation fee as much as twenty-five dollars. Strangely enough, there were some years under such conditions when we had more members than at present, when there is no initiation fee, dues are three dollars per year and subscriptions to the Bulletin is included. Can it be that architects registered in Michigan do not fully understand the functioning of the Society?

We would like to outline it briefly.

You might ask what the Society does with its funds. This is a pertinent question, and we will try to answer it. Legislation and similar matters of interest to our members take a portion.

In the recent passage of the New Registration Act, let it be said that not one dollar was spent in an effort to influence any one in authority. This is greatly to the credit of State Representatives and our Committee of which Messrs. Andrew R. Morrison and Louis Kingscott were members. Such matters do involve expenses, even for cash expenditures of committee members who give their time gratis.

However, if we had to depend upon dues alone there would be little hope. In the first place, it costs something to get in dues, perhaps fifty cents per member, to cover stamps, stationary, etc. Again there is nothing paid for anyone's time. Then the Society pays one dollar and fifty cents per active member (non-members of the Institute) for its State Association Membership in the American Institute of Architects, and fifty cents per member for subscriptions to the Weekly Bulletin. This leaves about fifty cents net for the Society, out of which must be paid expenses incidental to its operation throughout the year.

The answer is the Society realizes some profits from its annual convention, dinner dances, etc. It also receives some income from its Weekly Bulletin, all of which enable it to carry on a great deal of good work in the interest of all architects registered in this state.

In 1933 the Society's By-Laws were changed to conform with the unification plan in which State So-

cieties would become state Association Members in the Institute. This, it is hoped, will eventually mean that the Institute will be able to officially represent practically all of the architects in America. However, the only way this can be brought about is by an all-inclusive membership in the state societies. That is why the Society's annual dues were reduced to three dollars, and we believe that every architect registered in this state should become an active member. Even greater things can then be accomplished in their interest by the Society and by the Institute.

Last week we published an appeal for your cooperation. This was in connection with a special roster number of the Bulletin, in which a photograph and biographical sketch of every active members of the Society will be published. We believe that this will make an issue of value to architects and many others, and we urge your cooperation in sending in photographs and biographies.

These requests are not made for the benefit of the Bulletin alone but come from our Publications Committee consisting of Arthur K. Hyde, Chairman; William D. Cuthbert and John C. Thornton. Kenneth C. Black, president of the Society is ex-officio member.

The Weekly Bulletin is owned by the Michigan Society of Architects, a non-profit Michigan Corporation, and the Society receives financial benefits from its operations. Naturally, no profits could accrue to the Bulletin from annual subscriptions at fifty cents per member, but it is necessary that it be subscribed

(Continued on Page 6)

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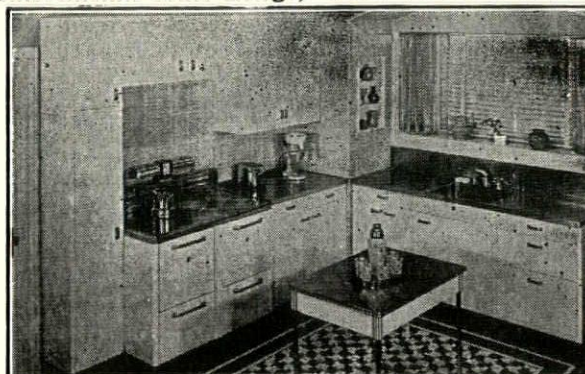
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The history of Architecture and Man's Development, a course conducted by Associate Professor Ralph W. Hammett of the University of Michigan begins Tuesday evening, September 27 at room 101 Northern High School, 9026 Woodward Avenue, Detroit.

The class which meets at 7 P. M. will be held each Tuesday evening thereafter and students who wish to avail themselves of this course should register now. The subject should be of particular interest to those who wish to prepare for the State Board examination to become registered architects.

The further aim of this course is to give students seeking a liberal culture a survey of the art of building from the dawn of history to the present time. In presenting each period, architecture will be discussed as an expression of social, political, and religious organization. Each period will be profusely illustrated by lantern slides of temples, cathedrals, palaces, and less formal domestic architecture. Two hours credit.

YOUR MEMBERSHIP IN THE SOCIETY

(Continued from Page 1)

for and paid for, as it is mailed under a second-class permit.

If you are an architect registered in Michigan and not an active member of the Society, won't you send three dollars now? The other alternative, is that you send one dollar as annual subscription to the Bulletin for a non-member.

DRAFTSMEN WANTED

George J. Haas of Stran-Steel Division, 409 Griswold St., states that in calling on architects throughout the state he often has inquiries for architectural draftsmen who are available for positions. In order to assist both architects and draftsmen he offers to use his office as a clearing house for such service. His telephone number is R. A. 6540.

At present there are openings with Bowd and Munson of Lansing and R. S. Gerganoff of Ypsilanti. Gerganoff also needs a mechanical man.

KAHN AND DOW HONORED IN PARIS EXPOSITION

The French government has made 19 awards to American Architects whose work was shown in a photographic exhibition in the United States Pavilion of the 1937 Paris Exposition.

A Gold Medal was awarded to Albert Khan for his industrial and commercial architecture, while Alden B. Dow received the Grand Prize for residential buildings.

Two grand prizes in industrial and commercial architecture went to the New York firms of Reinhard and Hofmeister, for its share in designing Rockefeller Center, and Shreve, Lamb and Harmon for the Empire State building design.

FORUM TO INCLUDE ARCHITECTS' WORLD

The Architect's World, the pocket size review started by Henry Saylor, will henceforth appear as a section of The Architectural Forum. We look forward with pleasure to the October issue.

SEPTEMBER 27, 1938

THE VALUE OF THE ARCHITECT

Architects—to send to prospective clients.

Chapters—to send in quantity to architectural exhibitions, home shows, etc.

Building supply dealers—to show to customers, and to frame and hang in their offices.

Copies folded for mailing may be obtained at a cost of \$1.75 per hundred.

Flat copies for framing will be furnished at a cost of two cents a copy plus the cost of mailing.

William Orr Ludlow, A. I. A.,

Chairman, Committee on Public Information

The Subject matter of the leaflet follows:

EIGHT REASONS WHY YOU SHOULD EMPLOY AN ARCHITECT

I MOST People know that the business of designing and constructing a bridge needs an Engineer; in illness one needs a Doctor; in legal matters a Lawyer. A building with its infinite variety of modern facilities for comfort and health and its claim for beauty needs the Architect.

II THE ARCHITECT has expert knowledge of building materials and construction methods, and how best to plan for the installation of plumbing, heating, lighting and insulation.

III A BUILDING is a better investment if well planned and attractive in appearance. Only the trained Architect can make it so.

IV IT NEEDS no argument that the Owner's interests are best served by the Architect who has devoted years to special training for his work and therefore must be more intelligently qualified than the man with other interests, obligations and training.

V FROM START to finish of a building operation the Architect is the Owner's professional adviser and representative—in drawing contracts, complying with building codes and lien laws, certifying building charges, and seeing throughout that the Owner gets what he pays for.

VI THE OWNER needs the supervision of an expert unbiased by commercial considerations to pass on the quality of the materials and workmanship going into his building.

VII BOTH OWNER and Builder depend on competitive bidding for fair prices. Fair competitive bidding depends on complete plans and specifications drawn by an Architect.

VIII ARCHITECTURAL services are a small fraction of the total cost of a building. A good Architect often saves the Owner a sum much larger than his fee.

COMMITTEE ON PUBLIC INFORMATION OF
THE AMERICAN INSTITUTE OF ARCHITECTS
THE OCTAGON, WASHINGTON, D. C.

Glass hats in lustrous colors are now on sale in New York shops. Perhaps the first such hat was crocheted from blue glass yarn by the wife of one of the Owens-Illinois research workers, who then proceeded to knit herself a purse to match. Girl employes of the Owens-Illinois plant are said to have embroidered doilies and knitted sweaters in attractive patterns from glass thread.—Glass Industry.

BUILDERS' and TRADERS' EXCHANGE of DETROIT

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439 Penobscot Bldg., Randolph 5590

Edited by E. J. Brunner

ESTIMATING SCHOOL UNDER WAY

The Builders' and Traders' Exchange Fall Term Estimating classes have started. Most all the students who contemplate taking the course have enrolled. The not on the proposition of making new estimators, but

Mr. E. M. Kaake the instructor conducts this course, not on the proposition of making new estimators, but of making better estimators. The course is intensely practical and is destined to promote the efficiency of persons already in the employ of firms belonging to the Builders' and Traders' Exchange or employed by architectural or engineering firms.

RAIN WAS DEFEATED BY SEELEY

September 14 we played Maple Lane. Upwards of a hundred men of the Builders' and Traders' and architects and guests played golf and ate dinner or ate without playing or played without eating.

It was a victory by a narrow squeak for Bill Seeley over rain. For years Bill has kept the rain away from our outings, but this year "RAIN" has an ally. Enormous sun spots have marshalled their forces, and Bill's strategy has been sorely tried. Of course he has the advantage of training in waterproofing. If Bill were not in the waterproofing business he would have been knocked for a row of pins by that sun spot which rared right into our outing at Maple Lane. Of course Bill being modest lays the success of that misty afternoon to the tenacity of our men for the kind of golf outing we put on. Watch next week for a big announcement of the final outing of the season.

BOWLING SEASON STARTS SEPTEMBER 28

At a meeting of the bowlers of the Builders' and Traders' Exchange held September 16, final arrangements were made for the 1938-39 season which will be at least an eight team affair with five men on a team.

Twenty Grand Recreation on Fourteenth near the n. e. corner of Warren has been chosen as the place. Wednesday at 3:00 p. m. is the weekly day and hour, and during the season there will be three rounds of the teams.

Robert Ruhl of Krimmel and Cruickshank has been chosen as the bowling chairman and captains are to be highest men from last years season. It looks now as if the captains will be Carl Danbrum, Richard Bruny, William Sabo, Fred Hirtzel, Edward Schuster, William Squire, Walter Giesecking, and Mark Atkin.

GIRLS BOWLING LEAGUE

Women employees or owners associated with firms which hold membership in the Builders' and Traders' or connected with architectural or engineering firms

may form a girls' bowling league of the Exchange. If interested in joining such a league please communicate with the Exchange giving your name, firm, average, and preferred time.

Probably this is read mostly by men. Please give the "gals" in your organization a break by showing them this notice.

TO ARCHITECTS

The Builders' and Traders' Exchange expects to have the 1939 BUYERS GUIDE in your hands before the holidays.

Advance indications are that our members realizing the big help the book is to you will list their products and services even more completely than in former years.

The compact little Red Book classifying products and services and listing trade names and who handles them will be delivered to you free of any charge.

"ADVENTURES IN LIVING"

In addition to the five programs outlined in the September 6 edition of the BULLETIN, announcement has just been received from "CONSULT your ARCHITECT" Motion Picture Council of an additional program.

Program No. 6. "MRS MORGAN GOES TO THE STORE" — how Mrs. Morgan and the family architect induce the community grocer to modernize his place of business — to better serve the community homemaker as well as improve the appearance of their neighborhood.

Council also announces new members of the Executive Committee: Lawrence B. Perkins, A. I. A., of Perkins, Wheeler and Will, Chicago, and S. B. Zisman, Professor of Architecture, Texas Agricultural and Mechanical College. Prof. Zisman is also a specialist in motion pictures as an educational medium.

An interesting announcement of Council's aims and objectives appears in the Forum of Events Section of September ARCHITECTURAL FORUM.

Terry Kimbell is secretary of the Council. Offices are at 551 Fifth Avenue, New York.

Cloth made from glass strands is moth- and rot-proof, and the near future will bring draperies, upholstery, carpets, awnings and bathing suits, all made from it.—Glass Digest.

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NEW TYPE OF FIRE INSURANCE FOR BUILDERS

A new builder's risk which provides fire insurance on buildings in course of construction for the life of a job by a single policy taken out by the owner at the beginning of the work has been developed and made available at the request of the American Institute of Architects and the Associated General Contractors of America, it is announced in a circular of information issued jointly by these organizations:

"The new policy involves a new idea and new rules," says the circular. "It is the result of several years of active work bringing to fruition a proposal initiated twenty-three years ago. It is believed to represent a real advance in the placing of fire insurance on buildings in course of construction and is strongly recommended to architects, owners, and contractors, as in the best interests of the owner and all contractors on the work."

The purpose of the new "completed value" form, which has already been approved for use in the States of New Jersey and New Hampshire and in the City of Baltimore, is to eliminate the routine work involved in the usual monthly reporting type of policy and the risk of inadequate coverage if the routine fails and accurate monthly reports of progress are not made.

A principal condition is that the total amount of insurance shall be "the completed value" of the building, as estimated for insurance purposes; that is, the total cost to the owner excluding foundations below grade or below the lowest basement floor as described in the policy, underground flues, pipes or wiring, and all grading and other exterior work not subject to fire damage and always excluded from such fire insurance policies.

If the total amount of insurance is found to be less than the "completed value", the owner becomes a co-insurer to that extent. If extra work is added, the insurance company is to be notified and an extra premium paid as if the extra value had been originally included. When desired, the amount of insurance required under this form may be placed with two or more companies.

"The premium, applied to the amount of the policy, will be 55 per cent of the appropriate rate, taken for a period of one year," continues the circular. "If the period of construction is more or less, the premium will be adjusted accordingly. If the job is to run for more than one year, the policy can be taken out for the extended period with a reduced rate for each year after the first."

"This type of policy is not intended for usual residential construction which is generally covered with a permanent policy for three or five years with right to complete the work thereunder. It is a basic condition of the policy and its adjusted rate that it is to be taken out at the commencement of the work, that is, when the first material, for shanty or otherwise, is delivered at the site. The adjusted rate is the result of careful analysis of a considerable number of reports of progress payments showing the rate at which the insurable value was placed in the structure."

"If a fire occurs, the amount of loss will be automatically reinstated and an additional premium charged on the original basis for the balance of the period. The policy is applicable only during construction. As soon as a building is occupied in whole or in part, the policy should be properly endorsed to cover the occupied building; otherwise the insured's coverage ceases and the owner will not be protected. As an alternative procedure, the builder's risk policy may be cancelled and surrendered for the return of

the unearned premium and new insurance taken out.

"This policy is useful whether the work is being done under a single general contract or under a number of separate contracts. All interests, for the duration of the work, are more simply covered by this form of policy taken out by the owner than by any other known form."

"The insurance to be taken out by the owner under the provisions of Article 29 of the standard General Conditions specifically excludes 'tools owned by mechanics, any tools, equipment, scaffolding, stagings, towers, and forms owned or rented by the contractor, the capital value of which is not included in the cost of the work'."

"These items are often covered by floater policies taken out by contractors. If the contractor in any particular case so desires, these items can be covered under this new form of policy by means of a rider which will indicate the estimated value and the premium involved. This special coverage can be secured at the request of the contractor but will, of course, be at his expense as it is insurance of a capital value that is in no way a part of the cost of the building for the insurance of which the owner is responsible."

ARCHITECTS REPORTS

BRANDT, CHRISTIAN W., 3408 Eaton Tower, Prepare plans, Club House, L. A. Young Gun Club, 9 Mile, near Southfield.

DIEHLGEO., 120 Madison, Cherry 7268.

Bids closed on Barber Shop, Trenton, Mich.

DERRICK & GAMBER, Inc., 35 fl. Union Guardian, Pontiac State Hospital bids closed.

FRY and KASURIN, Ann Arbor, Construction started on Michigan Children's Institute Home, PWA project, \$15,000, Ann Arbor.

GARVIS, LEWIS J., Battle Creek—Bids closed on Branch County's community health center, a Kellogg health foundation project. Estimated cost \$260,744.

GIFFELS & VALLET, Inc., 1000 Marquette Building, Prep. plans supst., Gen. Con., Tool & Die Shop, Ford Motor Co.; also for local manufact.

HYDE & WILLIAMS, 318 Woodward, MA. 0803.

Fig. on Res. for Lloyd E. Loessler, Mackenzie & Freda Aves. closed.

JENSEN, C. R. Prep. plans alteration City Hall, underground comfort station, Civic Center, River Rouge.

KAHN, ALBERT, INC., MA. 7200. Taking figures by invitation on Service Parts Storage Bldg., Flint, Mich.

KEYES, HUGH T., 747 Free Press Bldg., Randolph 7415.

Plans for Res. B. E. Hutchinson, Lake Shore Rd.

LANE, DAVENPORT & MEYERS—Prep. plans 4-room school, East Detroit.

MALCOMSON, CALDER & HAMMOND, 1219 Griswold, CA. 9651.

Prep. drgs. on add. to David MacKenzie High School, Auditorium, Class room wing, health unit, swimming pool etc.

Prep. wkg. drgs. & spec. for Men's Dormitory, Western State Teachers College, Kalamazoo, Mich.

Prep. plans & spec. for girls dormitory for Michigan State College, East Lansing, Mich.

Taking bids on Health Service and Hospital, Board of Agriculture, Mich. State College, E. Lansing, Mich.

GEORGE D. MASON ASSOCIATES, Randolph 7850.

Prep. preliminary plans for Southfield S. James Herman Garden Housing Project.

SMITH, HINCHMAN & GRYLLS—Walter H. Wyeth, Associate—Prep. sketches, City-County Bldg., Port Huron.

Taking figures on Gymnasium for Lincoln High School, Ferndale, Mich.

STACHOWIAK, STEPHEN J., 3005 Caniff Avenue, Townsend 8-7122.

Prep. plans on following: Alterations and additions to Veterans Home; Vocational School; 50-bed hospital, contagious diseases; Administration Building; Alterations to store front; Auditorium at Flint, Michigan, 110' x 126'; Alterations to residence; Alterations to beer garden.

STEWART-KINGSTON CO., Kalamazoo. Prep. prelim. plans, Oceana County Court House, PWA project.

SWANSON, J. ROBT. F., Birmingham. Prep. prelim. plans, Bloomfield Township Hall, PWA project.

WETZEL, B. C. & CO., 2317 Dime Bank Bldg., CA. 4941. Taking figures on 2nd part, Ionia State Hospital.

WRIGHT, FRANK H., 418 Fox Theatre, CH-7414.

Taking fig. on Alt. to White Star Theatre.

Taking fig. on Jewelry Store, Harper Ave.

Plans ready for Res. for O. L. Hotchkiss, Flint. General Con, Cecil Kelly.

New York's Only Castle Razed

New York's only castle, the embattled home of Dr. Charles V. Paterno, silhouetted against the sky 200 feet above the Hudson River at Washington Heights, is being razed and the seven-acre plot in which the medieval-like structure has stood for the last thirty-two years is to be the site of an apartment village of 2,500 to cost \$6,000,000.

There will be five twelve-story buildings in "Castle Village", which the builder said will be the most interesting development of apartment homes that has been advanced in any country. These are not idle words with Dr. Paterno, who has given New York several of its largest and finest apartment houses since he decided in 1899 to be a builder instead of a physician. For thirty-five years he easily has held the reputation of being the most colorful man in the construction field.

Student of Dante and romantic Europe, particularly Italy, the house on the heights of old Fort Washington represents the strong influence the ancients have on this man.

The house is perched on the top of a retaining wall 100 feet in height, which cost \$600,000 to construct. At the base it measures twenty-five feet in thickness.

On the top of this is a 1,000-foot long colonnade, a duplication of the famous colonnade at the monastery at Capri, Italy.

DAY AND EVENING COURSES
in
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That will not be destroyed. It is to be made a feature of the group of American Georgian buildings which Mr. Paterno and associates will construct from plans by George Fred Pelham, architect.

Business Prophets Cheerful

Reports from business centers here and abroad indicate an earnest desire to go ahead. The publication of the American Bankers Association reported recently that sentiment had shifted from a position of "expecting the worst" to "hoping for the best." The building and automobile industries, the publication says, "are expected to be the leaders in recovery. . . . Almost everything in the way of available information points to a period of rising activity during the last quarter." There is no question that business tones are more cheerful"

Hamilton, Montana (AP dispatch)—A call for bids was issued by the laboratory of the United States public service here for 20,000 small aluminum collars to be used on guinea pigs as identification tags.

Several days later a letter arrived from New York; inside was a neatly crocheted collar fastened with dress snaps.

A note in feminine handwriting asked if the laboratory officials didn't believe the crocheted collars would add to the appearance of the pigs and be more suitable than aluminum. The writer offered to supply the 20,000 collars.

(Editor's Note: And yet someone is always trying to make out that aluminum doesn't face keen competition!)—Aluminum News Letter.

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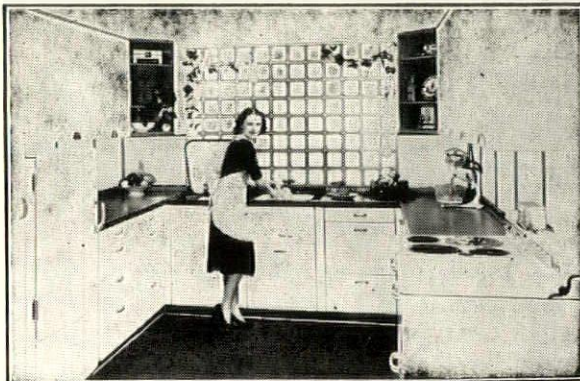
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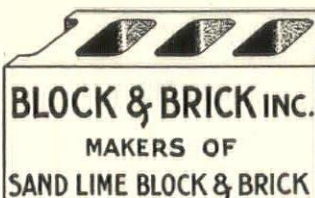
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